ABSTRACT

A method and a system for data type preserving
encryption of a data element in a relational database,
wherein each data element comprises a string of at least
one character. The method comprises the steps of: reading
the type of a data element which is to be encrypted; and
interpreting said data type in order to form a
restricting character set for each character of said data
element. Then encryption using said encryption means for
encrypting each character of said data element into an
encrypted character using said restricted character set
to control said encryption means to only create encrypted
characters included said restricting character set is
performed.